

Drug Analysis Laboratory
IR Spectrophotometer
Monthly QC

Name & Model # : _____

Serial #: _____

A. Frequency Check - Polystyrene Spectrum (Bi-monthly):

2850 \pm 6 cm^{-1}
1601 \pm 3 cm^{-1}
907 \pm 3 cm^{-1}

Date: _____
1

B. 100% Line (FTIR Only) (Bi-monthly):

_____ cm^{-1}
_____ cm^{-1}

C. Alignment (FTIR Only):

- Background Profile (Monthly)

D. Resolution (Quarterly):

(Presence of a smaller peak on the low frequency side of 1601 peak)

E. Cocaine HCL / Cocaine Base Spectra (Quarterly):

Date: _____
Cocaine HCL
(\pm 5 cm^{-1})

1736
1710
1276
1111

Date: _____

1739
1708
1276
1110
713

QC Review: _____

Date: _____

QA Review: _____

Date: _____

Reference: Quality Assurance Program (December 1983), B.L. Karger, L. Gelber

Revised: 2006

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Month/Year: _____

Operator: _____

Date: _____
2

Cocaine Base
(\pm 5 cm $^{-1}$)

Reference: Quality Assurance Program (December 1983), B.L. Karger, L. Gelber

Revised: 2006

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Drug Analysis Laboratory
QC - IR Spectrophotometer

Name & Model # : _____

Serial #: _____

A. Frequency Check - External Polystyrene Spectrum (Bi-annually):

2850 \pm 2 cm⁻¹
1601 \pm 2 cm⁻¹
907 \pm 2 cm⁻¹

Date: _____
1

B. Frequency Check - Internal Polystyrene Spectrum (Bi-monthly):

2850 \pm 2 cm⁻¹
1601 \pm 2 cm⁻¹
907 \pm 2 cm⁻¹

Date: _____
1

C. Cocaine HCL / Cocaine Base Spectra (Quarterly):

Date: _____
Cocaine HCL
(\pm 2 cm⁻¹)

1727
1711
1265
1105

1735
1707
1274
1108
722

QC Review: _____

Date: _____

QA Review: _____

Date: _____

Drug Analysis Laboratory
QC - IR Spectrophotometer

Month/Year: _____

Operator: _____

Date: _____

2

Date: _____

2

Date: _____

Cocaine Base
(\pm 2 cm $^{-1}$)

